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S1SE-06-01

Tugas 6 User Interaction

Source code
main.dart

```dart
import 'package:flutter/material.dart';

void main() {
  runApp(MyApp());
}

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      home: MyHomePage(),
    );
  }
}

class MyHomePage extends StatelessWidget {
  // Data list yang akan ditampilkan di ListView
  final List<Map<String, String>> apps = [
    {'name': 'Native App', 'details': 'Android, iOS, Web', 'color': 'red'},
    {'name': 'Hybrid App', 'details': 'Android, iOS, Web\nJavascript, Dart', 'color':
'green'},
    {'name': 'Web App', 'details': 'Run on Web Browser\nHTML, CSS, Javascript',
'color': 'blue'},
  ];

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text('App Types'),
      ),
      body: ListView.builder(
        itemCount: apps.length,
        itemBuilder: (context, index) {
          // Ambil warna untuk CircleAvatar berdasarkan data
```

```dart
        Color avatarColor;
        switch (apps[index]['color']) {
          case 'red':
            avatarColor = Colors.red;
            break;
          case 'green':
            avatarColor = Colors.green;
            break;
          case 'blue':
            avatarColor = Colors.blue;
            break;
          default:
            avatarColor = Colors.grey; // Warna default
        }

        return ListTile(
          leading: CircleAvatar(
            backgroundColor: avatarColor, // Set warna bulatan
          ),
          title: Text(apps[index]['name']!),
          onTap: () {
            showDialog(
              context: context,
              builder: (BuildContext context) {
                return AlertDialog(
                  title: Text('Detail'),
                  content: Text(apps[index]['details']!),
                  actions: <Widget>[
                    TextButton(
                      onPressed: () {
                        Navigator.of(context).pop();
                      },
                      child: Text('Close'),
                    ),
                  ],
                );
              },
            );
          },
        );
      },
    ),
  );
  }
}
```

Ss